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Attorneys for Federal Defendants

UNITED STATES DISTRICT COURT  
DISTRICT OF OREGON

NORTHWEST ENVIRONMENTAL  
ADVOCATES, a non-profit corporation,

Plaintiff,

v.

UNITED STATES ENVIRONMENTAL  
PROTECTION AGENCY, NATIONAL MARINE  
FISHERIES SERVICE, and UNITED STATES  
FISH AND WILDLIFE SERVICE,

Defendants.

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Civ. No. 05-1876-HA

UNITED STATES' NOTICE  
OF FILING NMFS'S  
CERTIFIED INDEX OF ITS  
AMENDED  
ADMINISTRATIVE  
RECORD

Pursuant to the October 5, 2006 Scheduling Order in this matter, notice is hereby provided to the Court and the parties that the United States is hereby filing NMFS's certified index to its amended administrative record. The Certified Index To NMFS's Amended Administrative Record is attached to this Notice of Filing as Attachment A. In order to lessen the burden on the Court of managing the large administrative record, the administrative record documents themselves will not be filed with the Court. Instead, the United States intends to file all administrative record documents cited by the parties in their summary judgment briefs as excerpts of record at the conclusion of the briefing schedule. Conversely, if the Court prefers to receive documents cited in the briefs prior to the conclusion of the briefing, the United States will work with the other parties to facilitate prompt delivery of those documents on the schedule desired by the Court.

Copies of NMFS's amended administrative record documents are being mailed today to counsel for the parties identified in the Certificate of Service.

Respectfully submitted,

SUE ELLEN WOOLDRIDGE  
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/s/ Meredith L. Flax

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Attorneys for United States of America

Dated: November 9, 2006

**CERTIFICATE OF SERVICE**

I hereby certify that on November 9, 2006, I caused a true copy of the UNITED STATES' NOTICE OF FILING NMFS'S CERTIFIED INDEX OF ITS AMENDED ADMINISTRATIVE RECORD to be served on each of the following named persons at his or her last known addresses in the manner indicated below:

Melissa Powers  
PACIFIC ENVIRONMENTAL  
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/s/ Meredith L. Flax

MEREDITH L. FLAX

**ATTACHMENT A**

U.S. DEPARTMENT OF COMMERCE

Form CD-64  
(Revised)  
Prescribed by  
DAO 201.17

Portland, Oregon  
November 9, 2006

I HEREBY CERTIFY that the annexed is a true copy of the administrative record for the Biological Opinion on EPA's Proposed Approval of Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation Implementation Methods (February 23, 2004), on file in the Oregon State Habitat Office of the Habitat Conservation Division, National Marine Fisheries Service, 1201 Lloyd Boulevard, Suite 1100, Portland, OR 97232.

Michael Tehan



State Director  
Oregon State Habitat Office  
Habitat Conservation Division  
National Marine Fisheries Service  
Northwest Region

I HEREBY CERTIFY that Michael Tehan, who signed the foregoing certificate, is now and was at the time of signing, a custodian of records, National Marine Fisheries Service, Northwest Region, Oregon State Habitat Office, Portland, Oregon, and that full faith and credit should be given to his certificate as such.

IN WITNESS WHEREOF, I have hereunto subscribed my name, and caused the seal of the Department of Commerce to be affixed this 9<sup>th</sup> day of November, two thousand six.

For the SECRETARY OF COMMERCE:



Certifying Officer

SEAL

USCOMM-DC 1359-P71

**ADMINISTRATIVE RECORD INDEX**

**For National Marine Fisheries Service's February 24, 2004, Biological Opinion and  
Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat  
Consultation on EPA's Approval of Revised Oregon Water Quality Standards for  
Temperature, Intergravel Dissolved Oxygen and Antidegradation Implementation  
Methods**

**NMFS Tracking Nos.:  
[F/NWR/2003/01568] (ESA)  
[F/NWR/2004/00087] (EFH)**

**A. NMFS Documents**

<b>NO.</b>	<b>DATE</b>	<b>DOCUMENT</b>
1.	2/23/2004	Letter to Randall F. Smith, EPA from D. Robert Lohn, NMFS, re: Biological Opinion on EPA's Proposed Approval of Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation Implementation Methods
2.	2/23/2004	Endangered Species Act – Section 7 Consultation Biological Opinion & Magnuson Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation: EPA's Approval of Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation Implementation Methods, February 23, 2004.
2a.	2/10/2004	Draft Biological Opinion on EPA's Proposed Approval of Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation Implementation Methods [2003/01568 (ESA) & 2004/00087 (EFH)]
3.	2/4/2004	Email from Chris Mebane, NMFS, to Robert C. Anderson, NMFS, re: Reference for ODEQ temperature data  Att. 1: 16v18doc (Comparison of continuous-temperature data and temperature modeling with proposed Oregon "colder-water" salmon and steelhead trout rearing" beneficial use designations)
4.	1/29/2004	Email from Mark Charles, DEQ, to Jeff Lockwood, NMFS re: DEQ Temperature Letter No. 2 (pertains to draft of February 4, 2004 letter from Michael Llewelyn, DEQ, to Randy Smith, EPA)

5.	1/29/2004	Email to Mark Charles, DEQ, Marylou Soscia, EPA, Adrienne Allen, EPA, Cara Lalley, EPA, Danielle Tillman, EPA, Dru Keenan, EPA, Elizabeth Materna, EPA, Jeff Lockwood, NMFS, John Hocjjeimer, Tetrattech, John Palmer, EPA, Keith Cohon, EPA, Kellie Kubena, EPA, Maryellen Levine, EPA, Mindy Gampel, EPA, Mark Morris, EPA, Melanie Rowland, NMFS GCNW, Paula Vanhaagen, EPA, Robert C. Anderson, NMFS, Stephanie Thornton, EPA, Steve Ellis, Tetrattech, Debra Sturdevant, DEQ, Ralph Stephen, EPA, Ted Buerger, FWS, Tom Townsend, EPA, Tonya Fish, EPA, William Bogue, EPA, and Nancy Wilson, EPA, from Jeff Lockwood, NMFS re: DEQ Temperature Letter No. 2 (pertains to draft of February 4, 2004 letter from Michael Llewelyn, DEQ, to Randy Smith, EPA)
5a.	11/20/2003	E-mail to Debra Sturdevant, ODEQ, from Jeffrey Lockwood, NMFS, re: issue or clarification – protecting cold water
6.	11/19/2003	Email to Jeff Lockwood, NMFS, from Dan Gambetta, NMFS, re: IGDO paper analysis
7.	11/18/2003	Email to Jeff Lockwood, NMFS, from Dan Gambetta, NMFS, re: thermal shock
8.	10/2/2003	Letter to Michael T. Llewelyn, ODEQ, (Attn. Emily Smith), from Michael Tehan, NMFS, re: Comments on Draft Proposed Revisions to the Oregon Water Quality Criteria for Temperature and Intergravel Dissolved Oxygen, and Antidegradation Provisions

#### B. EPA Documents

NO.	DATE	DOCUMENT
9.	2/4/2004	Letter to Michael Tehan, NMFS, and Kemper McMaster, USFWS, from Randall Smith, EPA, re: Transmittal of Biological Evaluation of the Revised Oregon Water Quality Standards  Att. 1: Biological Evaluation of the Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation, Amended Final, prepared for USFWS and NMFS by EPA, Region 10 [See State Document Section E (Document numbers 104-115) of this index for color versions of maps included in Appendix B].
9a.	1/29/2004	E-mail to Jeffrey Lockwood, NMFS, from MaryLou Soscia, EPA, Re: The DEQ Letter



10.	1/9/2004	Letter to Michael Tehan, NMFS, and Kemper McMaster, USFWS, from Randall Smith, re: Transmittal of 12/16/03 Biological Evaluation of the Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation  Att. 1: Biological Evaluation of the Revised Oregon Water Quality Standards for Temperature, Intergravel Dissolved Oxygen, and Antidegradation prepared for USFWS and NMFS by EPA, Region 10 December 19, 2003
10a.	11/06/2003	E-mail to Jeffrey Lockwood, NMFS, from Dru Keenan, EPA, re: thermal shock provision – DEQ draft rule of 11/6/03
11.	10/10/2003	Environmental Protection Agency Proposed Rule and Preamble: Water Quality Standards for Oregon, 40 CFR Part 131; <a href="http://www.epa.gov/fedrgstr/EPA-WATER/2003/October/Day-10/w25525.htm">http://www.epa.gov/fedrgstr/EPA-WATER/2003/October/Day-10/w25525.htm</a>
12.	10/3/2003	Letter to Michael Llewelyn, DEQ, from Randall Smith, EPA, re: Comments on Oregon's Proposed Revisions to OAR Division 41, Water Quality Standards: Beneficial Uses, Policies and Criteria for Oregon.

## C. Other Documents

NO.	DATE	DOCUMENT
13.	2/24/2004	Letter to Randy Smith, EPA, from Olney Patt, Jr., CRFITC, re: Concerns regarding ongoing Oregon Water Quality Standards review process.  Attachment A: Technical Comments and Concerns
14.	2/24/2004	Fax to Jeff Lockwood, NMFS, Michael Tehan, NMFS, Cathy Tortorici, NMFS, Robert C. Anderson, NMFS, Ritchie Graves, NMFS, Brian Brown, NMFS, D. Anderson, NMFS, and Gary Sims, NMFS from Greg Haller, Nez Perce Water Resources Division re: Letter to EPA
15.	2/10/2004	Letter to Randy Smith, EPA, and Michael Crouse, NMFS, from Melissa Powers and Stephanie Parent, Pacific Environmental Advocacy Center re: Deficiencies in Oregon's recent water quality standards revision process.
16.		NMFS determined that these documents were not part of the administrative record and removed them after the contractor had scanned and numbered the documents. It was not possible to renumber the remaining documents.

17.	8/29/2003	Letter to Mike Llewelyn, ODEQ, from William H. Burke, Confederated Tribes of the Umatilla Indian Reservation Tribal Water Commission, re: Comments on the Proposed Changes to Water Quality Standards, OAR 340-041 and related matters.
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## D. Scientific Literature

NO.	DATE	DOCUMENT
18.	1995	Botkin, D., K. Cummins, T. Dunne, H. Regier, M. Sobel, and L. Talt. 1995. Status and future of salmon of western Oregon and northern California: Findings and options. Report #8. The Center for the Study of the Environment, Santa Barbara, California. <a href="http://www.naturestudy.org/services/publica.htm">http://www.naturestudy.org/services/publica.htm</a>
19.	1965	Brannon, E.L. 1965. The influence of physical factors on the development and weight of sockeye salmon embryos and alevins. Progress Report No. 12. International Pacific Salmon Fisheries Commission, New Westminster, B.C., Canada.
20.	1996	Busby, P. J., T. C. Wainwright, G. J. Bryant, L. Leirheimer, R. S. Waples, F. W. Waknitz, and I. V. Lagomarsino. 1996. Status review of west coast steelhead from Washington, Idaho, Oregon, and California. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-NWFSC-27. 281 p.
21.	1985	Carson, K.A. 1985. A model of salmonid egg respiration. M.S. thesis. Agricultural and Chemical Engineering Department, Colorado State University, Fort Collins. 108 p.
22.	1987	Chapman, D.W. and K.P. McLeod. 1987. Development of criteria for fine sediment in the Northern Rockies ecoregion. Final Report. EPA contract no. 68-01-6986.
23.	1994	Chapman, D., C. Pevan, T. Hillman, A. Giorgi, and F. Utter. 1994. Status of summer steelhead in the mid-Columbia River. Don Chapman Consultants, Inc., Boise, Idaho.
24.	1961	Coble, D.W. 1961. Influence of water exchange and dissolved oxygen on survival of steelhead trout embryos. Trans. Am. Fish. Soc. 90(4):469-474.
25.	2002	Cooney, T.D. 2002. UCR steelhead and spring chinook salmon quantitative analysis report. Part 1: Run reconstructions and preliminary assessment of extinction risk. National Marine Fisheries Service, Hydro Program, Technical Review Draft, Portland, Oregon.
26.	1973	Coutant, C.C. 1973. Effects of thermal shock on vulnerability of juvenile salmonids to predation. J. Fish. Res. Bd. Canada 30:965-973.
27.	2003	Dewberry, T.C. 2003. Development and application of anchor habitat approaches to salmon conservation: A synthesis of data and observation from the Siuslaw watershed, coastal Oregon. Unpublished draft report. Portland, Oregon. 16 p. July.

28.	2001	Dunham, J., J. Lockwood, and C. Mebane. 2001. Salmonid Distribution and Temperature. Issue Paper 2. Prepared as part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project. EPA-910-D-01-002. U.S. Environmental Protection Agency, Region 10, Seattle, Washington. 22 p.
29.	1971	Ebel, W.J., E.M. Dawley, and B.H. Monk. 1971. Thermal tolerance of juvenile Pacific salmon and steelhead trout in relation to supersaturation of nitrogen gas. United States Fisheries Bulletin 69(4):833-843.
30.	2000	Ecotrust, Oregon Trout, and The Wild Salmon Center. 2000. A Salmon Anchor Habitat Strategy for the Tillamook and Clatsop State Forests. Updated Version, March 2001. Portland, Oregon. 29 p. plus appendices.
31.	2003	EPA (Environmental Protection Agency). 2003. EPA Region 10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards. U.S. Environmental Protection Agency, Region 10, Office of Water, Seattle, WA. 49 p. <a href="http://www.epa.gov/r10earth/temperature.htm">www.epa.gov/r10earth/temperature.htm</a>
32.	1895	Evermann, B.W. 1895. A preliminary report upon salmon investigations in Idaho in 1894. U.S. Fish Commission Bulletin 15:253-284.
33.	1993	FEMAT (Forest Ecosystem Management Assessment Team). 1993. Forest ecosystem management; and ecological, economic, and social assessment. Report of the Forest Ecosystem Management Assessment Team. U.S. Government Printing Office 1993-793-071. U.S. Government Printing Office for the U.S.D.A. Forest Service; U.S. Department of Interior, Fish and Wildlife Service, Bureau of Land Management, and National Park Service; U.S. Department of Commerce, National Oceanic and Atmospheric Administration and National Marine Fisheries Service; and the U.S. Environmental Protection Agency.
34.	2003	Fish Passage Center. 2003. Fish Passage Center annual report–2002. Fish Passage Center, Columbia River Basin Fish and Wildlife Authority, Portland, OR.
35.	1968	Fulton, L.A. 1968. Spawning areas and abundance of Chinook salmon, <i>Oncorhynchus tshawytscha</i> , in the Columbia River basin–past and present. U.S. Fish and Wildlife Service, Special Scientific Report, Fisheries 571:26.
36.	1970	Fulton, L.A. 1970. Spawning areas and abundance of steelhead trout and coho, sockeye, and chum salmon in the Columbia River basin–past and present. U.S. Fish and Wildlife Service, Special Scientific Report, Fisheries 618.
37.	1987	Hassler, T.J. 1987. Species profiles: Life histories and environmental requirements of coastal fishes and invertebrates (Pacific Southwest) – coho salmon. U.S. Fish Wildl. Serv. Biol. Rep. 82(11.70). U.S. Army Corps of Engineers, TR EL-82-4. 19 p. <a href="http://www.nwrc.usgs.gov/wdb/pub/0132.pdf">http://www.nwrc.usgs.gov/wdb/pub/0132.pdf</a>
38.	1994	Henjum, M.G. and seven others. 1994. Interim protection for late-successional forests, fisheries and watersheds. National Forests east of the Cascade crest, Oregon and Washington. A report to the United States Congress and the President. The Wildlife Society, Bethesda, MD. <a href="http://www.wildlife.org/publications/index.cfm?tname=pubs&amp;pubid=pub05">www.wildlife.org/publications/index.cfm?tname=pubs&amp;pubid=pub05</a>
39.	1981	Hollender, B.A. 1981. Embryo Survival, Substrate Composition and Dissolved Oxygen in Redds of Wild Brook Trout. University of Wisconsin, Stevens Point. 87 p.

40.	1985	Howell, P., K. Jones, D. Scarnecchia, L. LaVoy, W. Knedra, and D. Orrmann. 1985. Stock assessment of Columbia River anadromous salmonids, 2 volumes. Final Report to Bonneville Power Administration, Portland, Oregon (Project 83-335).
41.	1993	Jackson, P.L. 1993. Climate. P. 48-57 in: Jackson, P.L and A. J. Kimerling (eds.). Atlas of the Pacific Northwest. Oregon State University Press, Corvallis, Oregon.
42.	1997	Johnson, O.W., W.S. Grant, R.G. Cope, K. Neely, F.W. Waknitz, and R.S. Waples. 1997. Status review of chum salmon from Washington, Oregon, and California. U.S. Dept. Commer., NOAA Tech. Memo. NMFS-NWFSC-32. 280 p.
43.	1997	Lee, D.C., JR. Sedell, B.E. Reiman, R.F. Thurow, J.E. Williams. 1997. Broadscale assessment of aquatic species and habitats. P. 1058-1496 in: T.M. Quigley and S.J. Arbelbide, eds. An Assessment of Ecosystem Components in the Interior Columbia Basin and portions of the Klamath and Great Basins. U.S. Forest Service General Technical Report PNW-GTR-405. Portland, OR. <a href="http://www.icbemp.gov/science/scipubs.shtml">http://www.icbemp.gov/science/scipubs.shtml</a>
44.	1993	Maret, T.R., T.A. Burton, G.W. Harvey, and W.H. Clark. 1993. Field testing of new monitoring protocols to assess brown trout spawning habitat in an Idaho stream. N. Am. J. Fish. Man. 13:567-580.
45.	1943	Marr, J.C. 1943. Age, length, and weight studies of three species of Columbia River salmon ( <i>Oncorhynchus keta</i> , <i>O. gorbuscha</i> and <i>O. kisutch</i> ). Stanford Ichthyological Bulletin 2:157-197.
46.	1969	Mason, J.C. 1969. Hypoxial stress prior to emergence and competition among coho salmon fry. J. Fish. Res. Bd. Canada 26:63-91.
47.	2001	Materna, E. 2001. Issue paper 4: temperature interaction. Prepared as part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project. EPA-910-D-01-004. U.S. Environmental Protection Agency, Region 10, Seattle, Washington. 33 p.
48.	1991	Matthews, G. M., and R. S. Waples. 1991. Status review for Snake River spring and summer chinook salmon. U.S. Dep. Commer., NOAA Tech. Memo. NMFS F/NWC-200. 75 p. <a href="http://www.nwfsc.noaa.gov/publications/techmemos/tm200/tm200.htm">http://www.nwfsc.noaa.gov/publications/techmemos/tm200/tm200.htm</a>
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50.	2000	McClure, M., B. Sanderson, E. Holmes, C. Jordan, P. Kareiva, and P. Levin. 2000. Revised Appendix B of standardized quantitative analysis of the risks faced by salmonids in the Columbia River basin. National Marine Fisheries Service, Northwest Fisheries Science Center, Seattle, Washington.
51.	1999	McCullough, D.A. 1999. A review and synthesis of effects of alterations to the water temperature regime on freshwater life stages of salmonids, with special reference to chinook salmon. Prepared for the U.S. Environmental Protection Agency, Region 10, Seattle, Washington. 279 p.

52.	2001	McCullough, D.A., S. Spalding, D. Sturdevant, and M. Hicks. 2001. Issue paper 5: Summary of technical literature examining the physiological effects of temperature on salmonids. Prepared as part of EPA Region 10 Temperature Water Quality Criteria Guidance Development Project. EPA-910-D-01-005. U.S. Environmental Protection Agency, Region 10, Seattle, Washington. 114 p.
53.	1994	McIntosh, B.A., J.R. Sedell, J.E. Smith, R.C. Wissmar, S.E. Clarke, G.H. Reeves, and L.A. Brown. 1994. Management history of eastside ecosystems: Changes in fish habitat over 50 years, 1935 to 1992. USDA Forest Service, Pacific Northwest Research Station, General Technical Report PNW-GTR-321. February.
54.	2000	McElhany, P., M. Ruckleshaus, M. J. Ford, T. Wainwright, and E. Bjorkstedt. 2000. Viable Salmon Populations and the Recovery of Evolutionarily Significant Units. U.S. Dept. Commer., NOAA Technical Memorandum NMFS-NWFSC-42. 156 p. <a href="http://www.nwfsc.noaa.gov/publications/techmemos/tm42/tm42.pdf">http://www.nwfsc.noaa.gov/publications/techmemos/tm42/tm42.pdf</a>
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56.	1998	Myers, J.M., R.G. Kope, G.J. Bryant, D. Teel, L.J. Lierheimer, T.C. Wainwright, W.S. Grant, F.W. Waknitz, K. Neely, S.T. Lindley, and R.S. Waples. 1998. Status review of Chinook salmon from Washington, Idaho, Oregon, and California. NMFS-NWFSC-35. U.S. Dept. Commer., NOAA Technical Memorandum. 443 p. <a href="http://www.nwfsc.noaa.gov/publications/techmemos/index.cfm">http://www.nwfsc.noaa.gov/publications/techmemos/index.cfm</a>
57.	1996	National Research Council. 1996. Upstream—Salmon and Society in the Pacific Northwest. National Academy Press, Washington, D.C.
58.	1992	Nickelson, T.E., J.D. Rodgers, S.L. Johnson, and M.F. Solazzi. 1992. Seasonal changes in habitat use by juvenile coho salmon ( <i>Oncorhynchus kisutch</i> ) in Oregon coastal streams. Canadian J. Fish. Aquat. Sci. 49:783-789.
59.	1995	NOAA Fisheries (NOAA's National Marine Fisheries Service). 1995. Proposed recovery plan for Snake River salmon. Protected Resources Division, Portland, Oregon.
60.	1999	NOAA Fisheries (NOAA's National Marine Fisheries Service). 1999a. Biological and conference opinion. Approval of Oregon water quality standards for dissolved oxygen, temperature, and pH. National Marine Fisheries Service, Northwest Region, Seattle, WA.
61.		NMFS determined that these documents were not part of the administrative record and removed them after the contractor had scanned and numbered the documents. It was not possible to renumber the remaining documents.

62.	1999	NOAA Fisheries (NOAA's National Marine Fisheries Service). 1999. The habitat approach. Implementation of section 7 of the Endangered Species Act for actions affecting the habitat of Pacific anadromous salmonids. Northwest Region, Habitat Conservation and Protected Resources Divisions. August 26. <a href="http://www.nwr.noaa.gov/1habcon/habweb/habguide/habitatapproach_081999.pdf">http://www.nwr.noaa.gov/1habcon/habweb/habguide/habitatapproach_081999.pdf</a>
63.	2000	NOAA Fisheries (NOAA's National Marine Fisheries Service). 2000. Biological Opinion. Reinitiation of Consultation on Operation of the Federal Columbia River Power System, Including the Juvenile Fish Transportation Program, and 19 Bureau of Reclamation Projects in the Columbia Basin. National Marine Fisheries Service, Northwest Region, Seattle, WA. <a href="http://bluefin.nmfs.noaa.gov/pls/pcts-pub/sxn7.pcts_upload.download?p_file=F16616/199901901_fcrps_coe(sections01-05)_12-21-2000.pdf">http://bluefin.nmfs.noaa.gov/pls/pcts-pub/sxn7.pcts_upload.download?p_file=F16616/199901901_fcrps_coe(sections01-05)_12-21-2000.pdf</a>
64.	1997	Oregon Coastal Salmon Restoration Initiative. 1997. State of Oregon, Salem, Oregon. March 10.
65.	1999	Oregon Department of Administrative Services. 1999. Oregon Economic and Revenue Forecast. Vol. XIX. No. 2. Office of Economic Analysis, Salem.
66.	1995	ODEQ (Oregon Department of Environmental Quality). 1995. Dissolved Oxygen. Final Issue Paper. 1992-1994 Water quality standards review. Standards and Assessment Section, Portland, Oregon.
67.	2003	ODEQ (Oregon Department of Environmental Quality). 2003. Oregon Department of Environmental Quality Laboratory Technical Services electronic database, Portland, Oregon. Accessed September 24 and October 24, 2003. <a href="http://www.deq.state.or.us/wq/lasar/LasarHome.htm">http://www.deq.state.or.us/wq/lasar/LasarHome.htm</a>
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69.	2002	ODFW (Oregon Department of Fish and Wildlife). 2002. 1:24K Fish Habitat Distribution Development Project Procedures Manual. Salem, Oregon. <a href="http://oregonstate.edu/dept/nrimp/24k/">http://oregonstate.edu/dept/nrimp/24k/</a>
70.	2003	ODFW (Oregon Department of Fish and Wildlife). 2003b. Coastal salmonid inventory project: coho abundance—stratified random sampling estimates for coastal river basins 1990-2002. <a href="http://oregonstate.edu/Dept/ODFW/spawn/coho.htm">http://oregonstate.edu/Dept/ODFW/spawn/coho.htm</a>
71.	1994	Phelps, S.R., L.L. LeClair, S. Young, and H.L. Blankenship. 1994. Genetic diversity patterns of chum salmon in the Pacific Northwest. Canadian J. Fish. Aquat. Sci. 51 (Suppl. 1):65-83.
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## E. State of Oregon Documents

NO.	DATE	DOCUMENT
99.	2/4/2004	Letter to Randy Smith, EPA, from Michael T. Llewelyn, ODEQ, re: Oregon Responses to EPA, Questions re: State's Water Quality Temperature Standards
100.	12/10/2003	Letter to John Iani, EPA, from Stephanie Hallock, ODEQ, re: Oregon Submission of Revisions to the State Water Quality Standards (OAR 340-041) for EPA Review and Approval
100a.	11/13/2003	E-mail to Jeffrey Lockwood, NMFS, from Debra Sturdevant, ODEQ, RE: thermal shock provision – DEQ draft rule of 11/6/03
101.	11/10/2003	Department of Environmental Quality Water Pollution Division 41 Water Quality Standards: Beneficial Uses, Policies, and Criteria for Oregon
102.	5/27/2003	Life Stage Timing Criteria, Definitions, & Questions (from ODFW)
103.	5/27/2003	Fish Habitat Distribution Development Project Primary Data Products – Descriptions and major attributes (from ODFW)
104.	10/2003	Salmonid Designation Use Map: Salmonid Use Designations, Deschutes Basin, Oregon (see Beneficial Use Maps folder)
105.	10/2003	Salmonid Designation Use Map: Salmon, Steelhead & Bull Trout Spawning through Fry Emergence Use Designations, Deschutes Basin, Oregon (see Beneficial Use Maps folder)
106.	10/2003	Salmonid Designation Use Map: Salmonid Use Designations, Grande Ronde Basin, Oregon (see Beneficial Use Maps folder)
107.	10/2003	Salmonid Designation Use Map: Salmon, Steelhead & Bull Trout Spawning through Fry Emergence Use Designations, Grande Ronde Basin, Oregon (see Beneficial Use Maps folder)
108.	10/2003	Salmonid Designation Use Map: Salmonid Use Designations, Hood Basin, Oregon (see Beneficial Use Maps folder)
109.	10/2003	Salmonid Designation Use Map: Salmon, Steelhead & Bull Trout Spawning through Fry Emergence Use Designations, Hood Basin, Oregon (see Beneficial Use Maps folder)
110.	10/2003	Salmonid Designation Use Map: Salmonid Use Designations, John Day Basin, Oregon (see Beneficial Use Maps folder)
111.	10/2003	Salmonid Designation Use Map: Salmon, Steelhead & Bull Trout Spawning through Fry Emergence Use Designations, John Day Basin, Oregon (see Beneficial Use Maps folder)
112.	10/2003	Salmonid Designation Use Map: Salmonid Use Designations, Mid-Coast Basin, Oregon (see Beneficial Use Maps folder)
113.	10/2003	Salmonid Designation Use Map: Salmon & Steelhead Spawning through Fry Emergence Use Designations, Mid-Coast Basin, Oregon (see Beneficial Use Maps folder)

114.	10/2003	Salmonid Designation Use Map: Salmonid Use Designations, North Coast Basin, Oregon (see Beneficial Use Maps folder)
115.	10/2003	Salmonid Designation Use Map: Salmon & Steelhead Spawning through Fry Emergence Use Designations, North Coast Basin, Oregon (see Beneficial Use Maps folder)
116.	10/2003	Salmonid Designation Use Map: Salmonid Use Designations, Sandy Basin, Oregon (see Beneficial Use Maps folder)
117.	10/2003	Salmonid Designation Use Map: Salmon & Steelhead Spawning through Fry Emergence Use Designations, Umpqua Basin, Oregon (see Beneficial Use Maps folder)
118.	10/2003	Salmonid Designation Use Map: Salmonid Use Designations, Umpqua Basin, Oregon (see Beneficial Use Maps folder)
119.	10/2003	Salmonid Designation Use Map: Salmon & Steelhead Spawning through Fry Emergence Use Designations, Sandy Basin, Oregon (see Beneficial Use Maps folder)
120.	10/2003	Salmonid Designation Use Map: Salmonid Use Designations, South Coast Basin, Oregon (see Beneficial Use Maps folder)
121.	10/2003	Salmonid Designation Use Map: Salmon & Steelhead Spawning through Fry Emergence Use Designations, South Coast Basin, Oregon (see Beneficial Use Maps folder)
122.	10/2003	Salmonid Designation Use Map: Salmonid Use Designations, Umatilla Basin, Oregon (see Beneficial Use Maps folder)
123.	10/2003	Salmonid Designation Use Map: Salmon & Steelhead Spawning through Fry Emergence Use Designations, Umatilla Basin, Oregon (see Beneficial Use Maps folder)
124.	10/2003	Salmonid Designation Use Map: Salmonid Use Designations, Rogue Basin, Oregon (see Beneficial Use Maps folder)
125.	10/2003	Salmonid Designation Use Map: Salmon & Steelhead Spawning through Fry Emergence Use Designations, Rogue Basin, Oregon (see Beneficial Use Maps folder)
126.	10/2003	Salmonid Designation Use Map: Salmonid Use Designations, Willamette Basin, Oregon (see Beneficial Use Maps folder)
127.	10/2003	Salmonid Designation Use Map: Salmon & Steelhead Spawning through Fry Emergence Use Designations, Willamette Basin, Oregon (see Beneficial Use Maps folder)